

Yukon Environmental & Socioeconomic Assessment Act **Decision Document**

This document meets the Yukon government's requirements as a Decision Body as set out in the *Yukon Environmental & Socioeconomic Assessment Act*

Decision Document Issued By

YG Decision Body:	Territorial Minister, as authorized under section 7, to Stephen Mead; Director; Assessment and Abandoned Mines Branch; Energy, Mines and Resources
Federal Decision Body(ies):	NA
First Nation Decision Body(ies):	NA

Project

Project Name : Ketza Type A Water Licence		YESAA File Number: 2010-0080
Proponent Name:	Ketza River Holdings Ltd.	
<p>Project Description: The proposed project is to allow for the continued storage of water in and discharge from the existing tailings pond at the Ketza mine site. The project is located approximately 85 km south by road from Ross River. The spatial scope of the project includes the site components as listed in Water Licence QZ04-063. Specifically this includes the tailings pond, diversion ditches around the pond, and the existing surface water quality monitoring stations on Cache Creek, Oxo Creek, Peel Creek, and the Ketza River. The current proposal does not consider activities at the site that are associated with ongoing exploration and potential mine development studies. The temporal scope of this application is for a ten year Type A water licence. The project is anticipated to operate for a period of ten years, beginning in the fall of 2010 until December 31, 2020.</p> <p>The principle activity of the proposed project is the operation and maintenance of the existing tailings pond that will include:</p> <ul style="list-style-type: none"> • Maintenance of the tailings pond dam and emergency spillway; • Maintaining tailings pond water (supernate) elevation; • Maintenance of existing diversion ditches; • Maintenance of existing access to the tailings pond and monitoring points; and • Maintenance of a standby arsenic treatment plant. <p>Accessory activities associated with the proposed project are as follows:</p> <ul style="list-style-type: none"> • Mobilization of equipment; and, • Use of heavy equipment. <p>The project site is listed as a Type II abandoned mine under the Devolution Transfer Agreement. As such, ongoing exploration and potential mine development studies conducted by Ketza River Holdings Ltd. are not part of the project scope.</p>		

Other Decision Bodies

Other Decision Body Consultation:	NA
Consolidated Decision Document:	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> No <input type="checkbox"/> Yes <i>[list the decision bodies whose decision documents were consolidated, where applicable]</i>

Non-Self Governing First Nations

Non-self governing First Nation Consultation:	<i>Liard First Nation Ross River Dena Council</i>
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Decision

Pursuant to YESAA s. 75, 76 and 80, the Yukon government has considered the assessment of this project and:	
	a) Accepts the recommendation:
	b) Rejects the recommendation as follows for the reason(s) specified:
<input checked="" type="checkbox"/>	<p>c) Varies the recommendation as follows for the reason(s) specified:</p> <p><u>Government of Yukon accepts the following unchanged:</u></p> <ol style="list-style-type: none"> 5. Proponent shall conduct environmental monitoring of the receiving environment at all stations in Cache Creek and in the Ketzka River on a weekly basis during periods of tailings pond release. Environmental monitoring will be in conjunction with weekly effluent compliance sampling. The samples from the receiving environment shall be taken within 24 hours of their respective effluent sample. 6. All exceedences of CCME guidelines for arsenic in Ketzka River (station KR12) shall be highlighted in monthly reports. 9. The water treatment plant shall be tested annually to ensure it is capable of implementation in a timely manner. 10. Proponent shall ensure staff are appropriately trained in the correct operation of the water treatment plant and that staff trained in the operation of the water treatment plant are on-site whenever water is released from the tailings pond. 11. Any exceedence of the recommended turnover times for compliance monitoring samples received by the laboratory shall be highlighted in monthly reports. 13. Water releases from the tailings pond shall be limited by a maximum flow rate. 15. Water releases from the tailings pond shall be limited to a single discharge line. 16. A lower limit for pond water elevation shall be established to reduce the unnecessary exposure of inundated tailings. 18. Proponent shall, on a regular and consistent basis, inform the Ross River Dena Council of their environmental monitoring activities related to care and maintenance of the tailings pond and associated infrastructure. 19. Proponent shall provide an annual summary of environmental data gathered for this project to the Ross River Dena Council. 23. Proponent shall use routine environmental and effluent data of the Cache Creek and Ketzka River basins along with any other pertinent information to refine, update and validate the site water balance model over the duration of the project. The revised model will incorporate sensitivity analysis and provide interpretation of the results and a discussion on the relevance to water management at the site. 24. This assessment and the recommended mitigations shall be in effect for a maximum three-year term after issuance of the Type A Water Licence. After this term, project activities, the environmental performances of the project and the site water balance model will require a

new assessment.

Justification:

The Evaluation Report states that the water balance model provided was based on a mix of measured and assumed values for hydrological parameters that are not current, leaving the assessment with a level of uncertainty. Further Liard First Nation has provided comments supporting this timeline and identifying a need for review of more current data as it is gathered. Based on this uncertainty as well as comments provided by Liard First Nation the recommendation to reduce the temporal scope from a 10 year term to a 3 year term would ensure that the facility is maintained under the Yukon *Waters Act* and allow the proponent to collect the data needed to improve its water balance model. A new assessment of the project in 3 year's time will also enable the parties to review and consider mitigations applied as part of the proposed Water Licence.

26. Proponent shall ensure contaminated groundwater is not impacting the downstream receiving environment.
27. Proponent shall identify and quantify all water inputs to and outputs from the tailings pond in the site water balance model.
29. Proponent shall use site data to determine the fate of seepage water from the tailings pond.
30. Proponent shall evaluate the contribution of seepage from the tailings pond to seepage captured in the weirs below the North and South dams.
31. Proponent shall ensure that water diversion infrastructure (i.e. ditching and culverts) is maintained such that there are no blockages to water flow. Water diversion infrastructure shall ensure that surface runoff to the tailings pond is minimized.
36. Proponent shall conduct regular monitoring of the tailing dams and drainage systems. Proponent shall implement appropriate mitigations if monitoring reveals any issues.
37. Proponent shall ensure the maximum water level of the pond is kept below 1309m.
39. Appropriate and effective sediment and erosion control structures shall be installed and will be inspected regularly during the course of work. Necessary repairs will be made if damage is discovered.
40. Proponent shall operate machinery in a manner that minimizes disturbance to the banks or bed of all waterbodies or watercourses.
41. The proponent shall comply with the Department of Fisheries and Ocean's Pacific Region Operational Statement Culvert Maintenance.
42. Proponent shall evaluate the hydraulic capacity and erosion potential for the spillway (with repairs and potential upgrades) and:
 - a. Repair flow measurement structures (weirs) downstream of the berm.
 - b. Construct an emergency spillway to the Cache Creek diversion.
 - c. Cut saplings on upstream dam slopes.
 - d. Survey dam crest and fill low areas.
 - e. Repair riprap at the downstream segment of the Cache Creek diversion.
43. All machinery used should be in clean, good operating condition and inspected daily for small leaks.

44. All equipment will be checked for leaking hydraulics and no refueling is to take place within 30 metres of the water.
45. Fuel storage cache setback 100m from creek.
46. The proponent shall not in any circumstances deposit or allow the deposit of any deleterious substance, including but not limited to, fuels, lubricants, and coolants, of any type into any waters or in any place under any conditions where the deleterious substances may enter any waters.
48. Any full or partially full fuel drums left on site be secured in a lined area and protected from rain and snow accumulation on top of each drum. Fuel drums should be placed on pallets to prevent contact with water that may have collected on the liner.
49. During machine repair activities, a service area must be established to manage the special wastes generated. The service area for machine repair activities shall be bermed and lined with a synthetic or natural liner. A synthetic liner shall be 60 mil (or two 30 mil), hydrocarbon resistant and UV resistant. If not UV resistant, the synthetic liner must be covered. The natural liner shall be 1m thick with a maximum permeability of 1×10^{-6} cm/s.
50. The proponent shall at all times have on site sufficient spill clean-up equipment and material in readiness to immediately clean up any spill of petroleum products.
51. The proponent is required to report all spills to the 24-hour Yukon Spill Report Centre at 867-667-7244.
52. All spills must be assessed and remediated in accordance with the Contaminated Sites Regulations and its protocols and standards, including proper delineation of the affected area and confirmatory sampling after remediation is complete to demonstrate that the remediation program has been effective.
53. All employees shall receive adequate training before being allowed to work on site.
54. Proponent shall prepare and implement:
 - a. A comprehensive safety program with ongoing updates.
 - b. Monitoring and maintenance programs to ensure facility and worker safety and equipment integrity.
 - c. Emergency plan with ongoing updates.
 - d. Back up plan for rescue assistance.
 - e. Contractor Safety Management Plan; and
 - f. Return to Work Program for injured workers.
55. Proponent shall install appropriate signage along the access road to the extent that it is relevant (e.g. 'Entering flood risk zone').
57. Proponent shall monitor and record evidence of wildlife and bird presence at the tailings pond and adjacent downward riparian area. A record of wildlife and bird observations shall be provided to the Regional Biologist or Conservation Officer in a timely and consistent manner.
58. Proponent shall make best efforts to deter wildlife and birds from using water in the tailings pond and adjacent downward riparian area.
59. The proponent shall notify the Regional Biologist or Conservation Officer for advice on

additional mitigations should any dead animals be found in the area.

60. If new clearing or earthwork is proposed during the breeding period (May 1 – July 31), preworking surveys shall be conducted for nesting birds.
61. If any SARA or COSEWIC listed species are found to be present, evidenced by active nests (including tree cavities), a 10 meter buffer zone shall be maintained around nests.
62. The proponent shall not destroy or damage animal dens, lodges or burrows located during the project. A Yukon Government inspector shall determine setbacks from these wildlife features if discovered on-site.
63. The proponent shall refer to the “*Guidelines for Industrial Activity in Bear Country*” booklet for best practices to reduce impacts on bears.
64. The proponent shall notify the Regional Biologist or Conservation Officer for advice on further mitigations if any bears are frequenting project site.
65. All attractants, including water treatment plant products and waste, shall be stored in a manner that prevents access by bears and other wildlife, until properly disposed of.

Government of Yukon varies the following:

1. Proponent shall continue to monitor for all current Water Licence parameters at all current sampling locations. Reported data shall include pH , hardness and temperature for each water sample.

Replaced with:

Proponent shall, at a minimum, monitor Water Licence parameters as contained within the previous Water Licence QZ04-063.

Justification:

This mitigation was proposed by the proponent, and has been altered to allow the Water Board, through the Water Licencing process, to determine if the current monitoring requirements are sufficient.

2. In addition to the weekly compliance testing for arsenic proposed by the proponent, daily onsite testing for arsenic shall be adopted during periods of release using recognized methodology (e.g., on-site laboratory). The daily test method will provide an adequate level of detection (greater than 0.5 mg/L) and equipment will be calibrated regularly against appropriate reference materials.

Replaced with:

In addition to the weekly compliance testing for arsenic proposed by the proponent, daily onsite testing for arsenic shall be adopted during periods of release using recognized methodology (e.g., APHA Standard Methods for the Examination of Water and Wastewater). The daily test method will provide an adequate level of detection (lower than water licence standard) and equipment will be calibrated regularly against appropriate reference materials.

Justification:

Minor clarification.

3. Releases of tailings pond water to Cache Creek shall be ceased immediately if daily on-site testing indicates an exceedance of the arsenic effluent standard. Daily on-site testing shall be compared with weekly laboratory results as soon as possible.

Replaced with:

Releases of tailings pond water to Cache Creek shall be ceased immediately if daily on-site testing indicates an exceedance of the arsenic effluent standard. Daily on-site testing shall

be compared with weekly results from an accredited laboratory as soon as possible.

Justification:

Minor clarification.

4. Daily on-site test results for arsenic and calibrations shall be reported to Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch).

Replaced with:

Daily on-site test results for arsenic and calibrations shall be reported to Yukon Water Board on a monthly basis.

Justification:

Adjusted to provide clarity to the mitigation and to identify the appropriate agencies to receive the water quality results.

7. Weekly water flow measurements shall be taken in conjunction with weekly water quality sampling of the effluent and environmental stations during release and include, at minimum, an upstream station (KR01), a near-field downstream station (KR08) and a far-field downstream station (KR12).

Replaced with:

Flow measurements shall be taken in conjunction with weekly water quality compliance sampling of the effluent and at environmental stations during release and include, at minimum, an upstream station (KR01), a near-field downstream station (KR08) and a far-field downstream station (KR12).

Justification:

Minor clarification.

8. Proponent shall provide the following information as part of the Type A Water Licence application:
- a. A quality assurance and quality control (QA/QC) procedure for daily on-site and weekly compliance monitoring. The QA/QC procedure will include a record of training for site personnel (on-site and compliance testing), collection of duplicate samples, field blanks and blind duplicates, and reporting of laboratory turnover times.
 - b. A water treatment operation and maintenance plan.
 - c. Details about the water treatment plant including performance statistics, demonstrated results (i.e. influent vs effluent), treatment capacity and history of use on site.
 - d. Rationale for why the existing water treatment plant is capable of meeting the discharge standard for arsenic for all potential flow and volume situations that may be experienced in the tailings pond.

Replaced with:

Proponent shall provide the following information to the Yukon Water Board:

- a. A quality assurance and quality control (QA/QC) procedure for daily on-site and weekly compliance monitoring. The QA/QC procedure will include a record of training for site personnel (on-site and compliance testing), collection of duplicate samples, field blanks and blind duplicates, and reporting of laboratory turnover times.
- b. A water treatment operation and maintenance plan.
- c. Details about the water treatment plant including performance statistics, demonstrated results (i.e. influent vs effluent), treatment capacity and history of use on site.
- d. Rationale for why the existing water treatment plant is capable of meeting the discharge standard for arsenic for all potential flow and volume situations that may be experienced in the tailings pond.

Justification:

This information should be provided in a timely manner and reflected in operation plans. However recognizing it may take some time to collect and incorporate data, AAM leaves to the discretion of the Water Board whether this information is required as part of the water licence application, or can be submitted pursuant to a water licence condition.

17. Tailings pond water shall not be released for the purposes of quartz exploration.

Replaced with:

The proponent will make best efforts to use water from other sources before using untreated tailings pond water for exploration.

Justification:

Mitigation conflicts with existing LQ00156 Class 4 Approval.

20. Proponent shall provide details and methodology about how the proposed water management approach (i.e. maintaining water levels in the tailings pond at or below proposed levels) affects arsenic mobilization from the tailings.

Replaced with:

Proponent shall provide details and methodology, to the Yukon Water Board, about how the proposed water management approach (i.e. maintaining water levels in the tailings pond at or below proposed levels) affects arsenic mobilization from the tailings.

Justification:

Adjusted to provide clarity to the mitigation; further, AAM leaves to the discretion of the Water Board and its secretariat whether the above listed item will be required as part of the application process or as a condition of the Licence.

21. The proponent shall provide to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch) a detailed geochemical model which demonstrates a clear understanding of: the chemical stratification within the pond; spatial variability of porewater concentrations within the tailings; attenuation mechanisms (e.g. groundwater dispersion, diffusion and sorption along the flowpath); dilution in surface water; geochemical conditions within soils; wet/dry cycling of exposed tailings; and runoff from tailings beaches. Proponent shall also discuss the implications of this model for monitoring at the site.

Replaced with:

The proponent shall provide the Yukon Water Board a detailed geochemical model which demonstrates a clear understanding of: the chemical stratification within the pond; spatial variability of porewater concentrations within the tailings; attenuation mechanisms (e.g. groundwater dispersion, diffusion and sorption along the flowpath); dilution in surface water; geochemical conditions within soils; wet/dry cycling of exposed tailings; and runoff from tailings beaches. Proponent shall also discuss the implications of this model for monitoring at the site.

Justification:

Adjusted to provide clarity to the mitigation; further, AAM leaves to the discretion of the Water Board and its secretariat whether the above listed item will be required as part of the application process or as a condition of the Licence.

22. Proponent shall prepare studies related to closure of the tailings in support of a more detailed site closure and decommissioning plan. These studies shall be submitted to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch) in a timely manner.

Replaced with:

The proponent shall prepare necessary studies and a detailed site closure and decommissioning plan. This plan shall be submitted to the Yukon Water Board with a letter from Yukon government, Assessment and Abandoned Mines acknowledging their review and approval.

Justification:

Due to the Type II status of this site, AAM believes that studies relating to the decommissioning of the facility require review by Yukon government prior to the acceptance by the Yukon Water Board.

25. A hydrogeological study for the tailings impoundment shall be completed by a qualified professional. This study will provide a better understanding of background groundwater quality, groundwater flowpaths, seasonal variability, soil physical parameters (e.g. hydraulic conductivities, etc.), hydraulic gradients, contaminant transport and attenuation mechanisms. This study will be provided to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch).

Replaced with:

A hydrogeological study for the tailings impoundment shall be completed by a qualified professional. This study will provide a better understanding of background groundwater quality, groundwater flowpaths, seasonal variability, soil physical parameters (e.g. hydraulic conductivities, etc.), hydraulic gradients, contaminant transport and attenuation mechanisms. This study will be provided to the Yukon Water Board.

Justification:

Minor clarification of the responsible agency, further all information submitted to the Water Board is held on a public registry accessible by other government agencies.

28. Proponent shall provide a summary of water quality and flow monitoring information that is available for mine portal water (i.e. portal 1430) and include an interpretation of the contribution of this input to the tailings pond water balance and chemistry. This information shall be submitted to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch).

Replaced with:

Proponent shall provide a summary of water quality and flow monitoring information that is available for mine portal water (i.e. portal 1430) and include an interpretation of the contribution of this input to the tailings pond water balance and chemistry. This information shall be submitted to the Yukon Water Board.

Justification:

Minor clarification of the responsible agency, further all information submitted to the Water Board is held on a public registry accessible by other government agencies.

32. Proponent shall prepare a dam failure analysis for the tailings pond. This analysis will be provided to Ross River Dena Council, Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch) in a timely manner. The dam failure analysis shall provide the following information:
- a. An assessment of the potential physical damage and consequences resulting from a hypothetical dam failure.
 - b. An updated model predicting short and long term arsenic release to the Ketzka and Pelly Rivers.
 - c. A current study detailing fish abundance, population size and sensitive habitats within the affected downstream environment.
 - d. A current study detailing human use and presence within the affected downstream environment.
 - e. Identification of appropriate mitigation for the potential effects of a dam failure.
 - f. An implementation plan to conduct appropriate mitigation in a timely and effective manner.

Replaced with:

Proponent shall prepare a dam failure analysis for the tailings pond. This analysis will be provided to Ross River Dena Council, the Yukon Water Board. The dam failure analysis shall provide the following information:

- a. An assessment of the potential physical damage and consequences resulting from a hypothetical dam failure.
- b. An updated model predicting short and long term arsenic release to the Ketzka and Pelly Rivers.

- c. A current study detailing fish abundance, population size and sensitive habitats within the affected downstream environment.
- d. A current study detailing human use and presence within the affected downstream environment.
- e. Identification of appropriate mitigation for the potential effects of a dam failure.
- f. An implementation plan to conduct appropriate mitigation in a timely and effective manner.

Justification:

Minor clarification of the responsible agency, further all information submitted to the Water Board is held on a public registry accessible by other government agencies.

33. Security for the Ketzia Mine site shall be increased to fully account for the potential remediation costs of a dam failure.

Replaced with:

Security for the Ketzia Mine site shall be reviewed to ensure it is adequate to cover the costs per section 11 of the Waters Regulations, specifically, abandonment of the undertaking; restoration of the site of the undertaking; and any ongoing measures that may remain to be taken after abandonment of the undertaking.

Justification:

The mitigation for the potential of dam failure is to ensure the dam is built, operated, monitored and maintained according to appropriate engineering practices. There are specific recommendations elsewhere in the evaluation report, which will be part of the Yukon's intervention to the Water Board, to ensure that the dam is properly maintained and operated such that the potential for dam failure is low. Security should be limited to the abandonment of the undertaking, consistent with the approach taken for other undertakings.

34. Proponent shall provide a list of all recommendations for improvements and maintenance of the tailings pond issued as part of the geotechnical inspections during the previous water licence to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch). This shall include:

- a. Details of the work completed to date.
- b. A detailed action plan for work that has not yet been completed.
- c. Annual updates of work done to address recommendations issued from annual geotechnical inspections.

Replaced with:

Proponent shall provide a list of all recommendations for improvements and maintenance of the tailings pond issued as part of the geotechnical inspections during the previous water licence to the Yukon Water Board. This shall include:

- a. Details of the work completed to date.
- b. A detailed action plan for work that has not yet been completed.
- c. Annual updates of work done to address recommendations issued from annual geotechnical inspections.

Justification:

Minor clarification of the responsible agency, further all information submitted to the Water Board is held on a public registry accessible by other government agencies.

35. Proponent shall perform the following tasks to support their Type A Water Licence application:

- a. Address any recommendations for improvements and maintenance of the tailings pond as part of the geotechnical inspections during the previous water licence.
- b. Review their dam classification in accordance with the recommendations in the CDA Dam Safety Guidelines 2007 and information provided by Environment Yukon. Proponent shall provide an explanation of their classification rating, supported by

rationale.

- c. Identify the implications of the updated classification rating to associated dam plans and submit updated plans.
- d. Submit an operations and maintenance plan. This plan shall include a description of any upgrading or additional maintenance work to be done at the tailings dam or associated structures.

Replaced with:

Proponent shall perform the following tasks:

- a. Address any recommendations for improvements and maintenance of the tailings pond as part of the geotechnical inspections during the previous Water Licence.
- b. Review their dam classification in accordance with the recommendations in the CDA Dam Safety Guidelines 2007 and information provided by Environment Yukon. Proponent shall provide an explanation of their classification rating, supported by rationale.
- c. Identify the implications of the updated classification rating to associated dam plans and submit updated plans.
- d. Submit an operations and maintenance plan. This plan shall include a description of any upgrading or additional maintenance work to be done at the tailings dam or associated structures.

Justification:

AAM leaves to the discretion of the Water Board and its secretariat whether the above listed item will be required as part of the application process or as a condition of the Licence.

- 38. Proponent shall provide the as-built drawings for the toe berm constructed by Vista-Tek to Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch). This will include the specific locations of the piezometers.

Replaced with:

Proponent shall provide the as-built drawings for the toe berm constructed by Vista-Tek to the Yukon Water Board. This will include the specific locations of the piezometers.

Justification:

Minor clarification of the responsible agency, further all information submitted to the Water Board is held on a public registry accessible by other government agencies.

- 47. The proponent shall prevent contaminants from entering into the unnamed creek.

Replaced with:

The proponent shall prevent contaminants from entering receiving water bodies.

Justification:

Mitigation should be applied more broadly.

Government of Yukon rejects the following:

- 12. Water releases from the tailings pond shall be limited to summer flow conditions.

Justification:

This condition is restrictive, as there may be a need to release water in the spring (dilute, excess water) and in the fall. The water licensing process will review appropriate flow and arsenic concentrations to determine whether seasonality restrictions are necessary.

- 14. The maximum effluent flow rate shall not exceed 300 m³/day (3.5 L/s).

Justification:

This condition imposes a maximum effluent discharge that may not be appropriate during all flow regimes (e.g. spring dilution). The specific discharge limit will need further consideration through the water licensing process.

	<p>56. Proponent shall provide maps of estimated inundation zones to Ross River Dena Council, Environment Canada and Yukon Government (Assessment and Abandoned Mines; Environment – Water Resources Branch). Justification: Effect mitigated through mitigation #55.</p> <p>66. Bear deterrent devices shall be maintained in good working order throughout the duration of camp occupation. Justification: The camp does not form part of the scope of this project and is currently permitted under Class IV Mining Land Use Approval (LQ00156).</p>

Dates

Recommendation Issued: September 17, 2010	Referred Back:	Final Recommendation Issued: September 17, 2010	Decision Document Issued: November 5, 2010
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Recommendation Received From

Designated Office	<input checked="" type="checkbox"/>	Location: Watson Lake Designated Office
Executive Committee	<input type="checkbox"/>	
Panel	<input type="checkbox"/>	a) Panel of the YESAB
	<input type="checkbox"/>	b) CEAA Panel
	<input type="checkbox"/>	c) Joint Panel (YESAB and other assessment body)

Authority

By signing below, the Yukon government has exercised its authority as per YESAA s. 75 or s. 76 to issue a decision document on this project.

Name: Stephen Mead

Position: Director, Assessment & Abandoned Mines

Signature: 

Date: November 4, 2010

Original signed by [Delegated YG Decision Body]

Copies Forwarded to (as required by YESAA s. 81):

- | | |
|---|------------------------------------|
| <input type="checkbox"/> Other Decision Bodies | N/A_____ |
| <input checked="" type="checkbox"/> Project Proponent | Ketza River Holdings_____ |
| <input checked="" type="checkbox"/> YESAB Designated Office | Watson Lake Designated Office_____ |
| <input type="checkbox"/> YESAB Executive Committee | N/A_____ |
| <input type="checkbox"/> Minister Environment (Canada) | N/A_____ |
| <input type="checkbox"/> Yukon Surface Rights Board | N/A_____ |
| <input type="checkbox"/> Yukon Water Board | N/A_____ |
| <input type="checkbox"/> Land Use Planning Commission: | N/A_____ |
| <input type="checkbox"/> Independent Regulatory Agency | N/A_____ |
| <input type="checkbox"/> Other Body/Person as Required | N/A_____ |